Page 2

oxide film. Then, an annealing process using an oxygen gas is performed to move the nitrogencontaining layer onto the surface of the lower oxide film, thus forming a nitride film. Therefore, the present invention can reduce the effective thickness of the dielectric film.--

IN THE SPECIFICATION:

Please amend the specification as follows:

Replace the paragraph beginning at page 3, line 6 with the following paragraph:

-- In order to accomplish the above object, a method of manufacturing a flash memory device according to the present invention is characterized in that it comprises the steps of sequentially forming a tunnel oxide film and a first polysilicon film on a semiconductor substrate and then etching the first polysilicon film and a given region of the tunnel oxide film; forming a lower oxide film on the entire structure; performing a nitrification process to form a nitrogen-containing layer below the lower oxide film; performing an annealing process using an oxygen gas so that the nitrogen-containing layer is moved on the surface of the lower oxide film, thus forming a nitride film; forming a upper oxide film on the entire surface to form a dielectric film consisting of the lower oxide film, the nitride film and the upper oxide film; sequentially forming a second polysilicon film, a tungsten silicide film and an anti-reflection film on the entire structure; and patterning the anti-reflection film, the tungsten silicide film, the second polysilicon film and the dielectric film to form a control gate, and then patterning the first polysilicon film and the tunnel oxide film to form a floating gate.--

Replace the paragraph beginning at page 6. If in 11 with the following paragraph:

By

first polysilicon film 104 are formed is loaded into a reaction furnace in which the temperature of $600\sim700^{\circ}\text{C}$ and N_2 atmosphere of $10\sim20\ell$ are kept (201 in Fig. 2). After the temperature of the furnace is raised at the N_2 atmosphere of $5\sim10\ell$ to $810\sim850^{\circ}\text{C}$ (202 in Fig. 2), a lower oxide film 105 is deposited by means of LPCVD method using DCS and $N_2\text{O}$ or NO gas (203 in Fig. 2). At this time, the lower oxide film 105 is deposited in thickness of $35\sim100\text{Å}$ at the deposition rate of $4\sim10\text{Å/min}$. Also, with the temperature of the furnace kept at $810\sim850^{\circ}\text{C}$, introduction of DCS is stopped. Nitrification process by which $N_2\text{O}$ or NO gas of $1\sim20\ell$ is introduced for $10\sim20$ minutes is then implemented (204 in Fig. 2). At this time, the thickness of the increasing lower oxide film 105 is about $3\sim5\text{Å}$. The reason is that the nitrogen-containing layer 106 is formed below the lower oxide film 105 as the nitrogen concentration distribution shown in Fig. 3A. In

--Referring now to Figs. 1B and 2, the wafer in which the tunnel oxide film 103 and the

Replace the paragraph beginning at page 7, line 3 with the following paragraph:

other words, the nitrogen-containing layer 106 is formed in thickness of 3~5Å below the lower

--Referring now to Figs. 1C and 2, after the nitrification process, a nitrogen purge process is implemented to raise the temperature of the furnace to 850~950°C under the N₂ atmosphere of 5~10¢ (205 in Fig. 2). After the temperature within the furnace is raised, an annealing process is implemented by introducing an oxygen gas of about 5~20¢ for 5~20 minutes (206 in Fig. 2). Thus, the surface of the first polysilicon film 104 is oxidized and the nitrogen-containing layer 106 is therefore moved on a upper side of the lower oxide film 105, thus forming a nitride film 107, as shown in Fig. 3B.--



oxide film 105 .--